

SYLVANIA **SF** 150

15" FLAT PANEL DISPLAY



REFERENCE MANUAL

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, Pursuant to part 15 of the Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient/Relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: To meet FCC limits for a Class B computing device, a shielded signal cable should be used.

Canadian Compliance Statement

This equipment does not exceed Class B limits per radio noise emissions for a digital apparatus, set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps necessary to correct the interference.

Safety Instructions

Power

- Use the type of power indicated on the marking label.

Plugs

- Do not remove any parts of the Display's three-pronged power plug.
- Disconnect the power plug from the AC outlet when the Display will not be used for an indefinite period of time.

Power and extension cords

- Use the proper power cord with the correct plug type. If the power source is 120Vac, use a power cord that has UL and CSA approvals. If the power source is a 240Vac supply, use the tandem (t blade) type attachment plug with a ground conductor power cord that meets the respective European country's safety regulations, such as VDE for Germany.
- We recommend using the power cord supplied with the product. However, if another type of power cord is required, power cord H05VV-F or VW-1, 18AWG x 3G should be used.
- Do not overload wall outlets or power cords. Be sure that the total of all units plugged into the wall outlet does not exceed 7 amperes.
- Be sure that the total ampere ratings on all units plugged into the extension cord does not exceed the rating of the cord.
- If the Display power supply cord requires a connection to the PC instead of the wall outlet, this equipment is to be used with a UL approved computer which has a receptacle rated of 100-240vac, 50/60Hz, (minimum).

Environment

- Place the Display on a flat and level surface.
- Place the Display in a well-ventilated area.
- Keep the Display away from water, excessive heat, cold, or humidity.

Installation

The SF150 display incorporates a 15" color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. A maximum resolution of XGA 1024x768 is ideal for displaying graphics and images. Other outstanding features that enhance this LCD Display's performance are Plug & Play compatibility*, and advanced OSD controls.

Product Features

- 16.7 million color TFT LCD display support resolutions up to XGA (1024x768)
- Compatible with IBM VGA & VESA, Apple Macintosh and Clones*
- Universal power adapter
- Supports DDC1/2B Plug & Play compatibility
- Advanced OSD controls for picture perfect adjustments
- Detachable stand for VESA wall/arm-mounting application

Cleaning your SF150

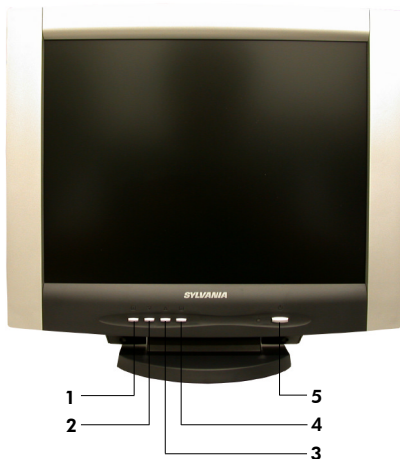
- Gently wipe the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles that can scratch the screen.
- Do not apply pressure to the screen surface when cleaning.
- Do not pour or spray any liquid directly onto the screen or housing of the LCD Display.

Chemical cleaners have been reported to damage the screen or housing of the LCD Display. Commercial glass cleaner or 50/50 alcohol and water may be used.

* An additional adapter may be required.

Installation

Taking a closer look



1. Function "1"

Pressing this button will activate the On-Screen Display and cancel sub-menus.

2. Up ▲

Pressing this will move your selection up or increase the adjustment values.

3. Down ▼

Pressing this will move your selection down or decrease the adjustment values.

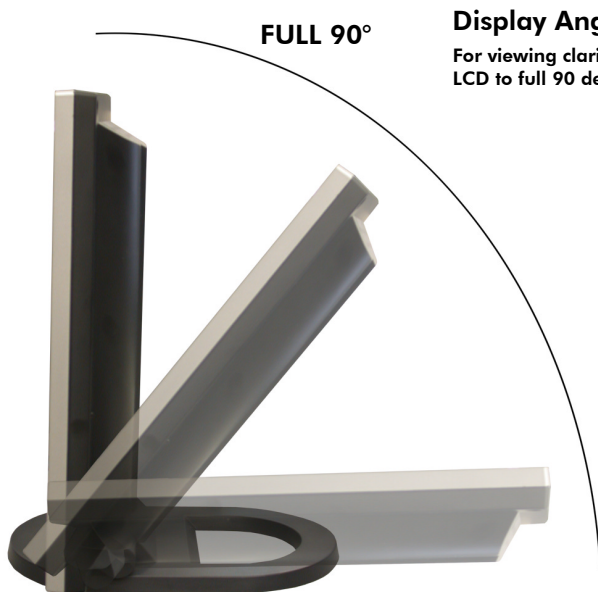
4. Function "2"

Pressing this will activate OSD adjustment.

5. Power Button

Pressing this button switches the display system power ON or OFF.

Installation



FULL 90°

Display Angle

For viewing clarity, you can tilt the LCD to full 90 degrees.

CAUTION: In order to protect the LCD, be sure to hold the base when you adjust the LCD. Do not touch the screen.

Installation

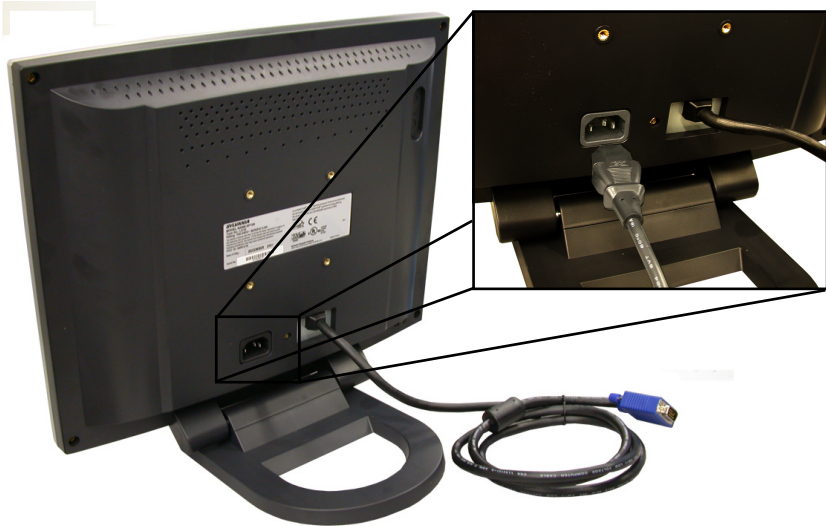
Connecting the SF150 to your computer



1. Connect the video input into the video outlets on your computer.

Installation

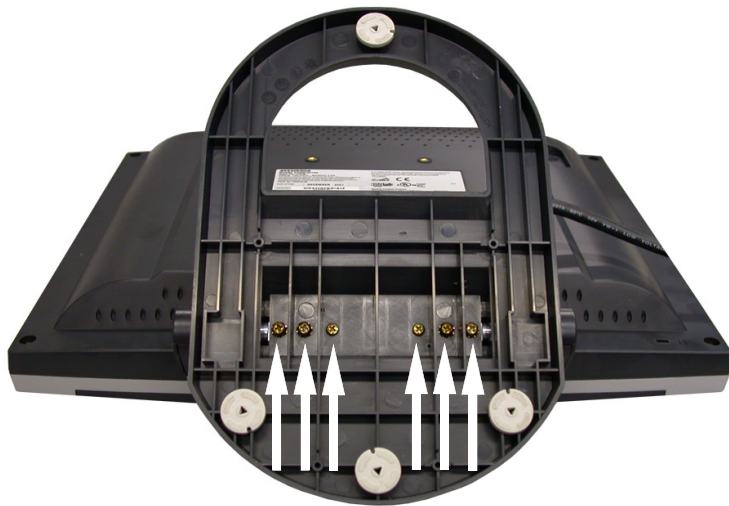
Connecting the LCD15S to your computer



2. Plug the power cord monitor and onto the power outlet.
3. Press the power buttons on both your computer and the monitor.

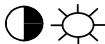
Installation

Removing the base for wall or arm mounting



Remove all 6 screws to remove base.

Controls & Functions

48.3KHz/60.0Hz		1024 768		
	Contrast / Brightness			
	Auto Adjust			
	Phase / Clock			
	H. Position / V. Position			
	Sharpness			
	Color Adjustment			
	Language			
	OSD Function			
	Text Mode			
	Memory Recall			
1	:EXIT		2	:SELECT

Press the Up or Down buttons to
activate these menus.

The next few pages will describe each controls and functions.

Controls & Functions

Contrast/Brightness

Selecting the Contrast function allows you to make adjustments to the luminosity level of display. Selecting the Brightness function allows you to make adjustments to the black level of the display.

Auto Adjust

Selecting this function will automatically adjust horizontal position, vertical position, phase and clock for better display performance.

Phase/Clock

Selecting the Phase function allows you to make adjustments to the video timing. Selecting the Clock function allows you to make adjustments to the horizontal pixel clocks. (Fine tuning purpose only, Please use Auto Adjust instead)

H. Position/V. Position

Selecting the H. Position function, then use the "UP/DOWN" buttons to center the image horizontally on the display screen. Selecting the V. Position function, then use the "UP/DOWN" buttons to center the image vertically on the screen. (Fine tuning purpose only, Please use Auto Adjust instead)

Sharpness

Selecting the Sharpness function allows you to make interpolation changes. (this function is only valid on resolutions lower than 1024 x 768)

Color Adjustment

Selecting the Color Adjustment, then use the "UP/DOWN" buttons to select color temperatures between 6500K, and user settings.

Language

Selecting this function allows you to change a different language for your On-Screen Display. (English, French, German, Italian, and Spanish)

OSD Function

Selecting this function allows you to change the attributes of your On-Screen Display. (H/V Positioning, and transparency)

Text mode

Selecting this function allows you to change between graphic and text modes on resolutions 720 x 400 and 640 x 480.

Memory Recall

Selecting this function allows you to restore factory settings.

Controls & Functions

Power LED Display and Power Saving

General Power Saving Mode

When the SF150 is on, the LED lights green. When the SF150 is in Power Saving, the LED lights orange. (see below)

Mode	Power LED Color	Power
ON OFF	GREEN ORANGE	30 Watts ≤ 5 Watts

*We recommend switching off the Display when it will not be in use for a long time.

Specifications

Model	SF150
LCD Display	15" TFT Active Matrix Panel, Anti-Glare, Hard Coated
Display Size	304mm (H) x 228mm (V)
Pixel Pitch	0.297mm (H) x 0.297mm (V)
Max. Resolution	XGA 1280 x 1024
Contrast Ratio	350:1 (Typical)
Brightness	200 cd/m ²
Response Time	40ms (Typical)
Display Color	16.7 Million True Color
Viewing Angle	+60° ~ 60° (L/R), +45° / -55° (U/D) Typical
Input Signal	Video: RGB Analog 0.7 p-p/75 Ohm Sync: Separate TTL Level
Signal Connector	15 Pin D-Sub
Front Control	Power on/off, Select (up, down), Adjustment (+,-), OSD Menu
OSD	Brightness, Contrast, Auto Adjust, Phase, H-Position, V-Position, Sharpness, Color Adjustment, Balance (6500K User), Language, OSD Function, Text Mode, Memory Recall
Plug & Play	DDC1/2B
Power Adapter	Input AC 100-240V, 50-60Hz, output DC 12V/2.0A
Operating Conditions	Temperature: 0°C~40°C (-32°F~104°F) Humidity: 10% ~ 90% (No condensation) Altitude: Up to 12,000 ft.
Storage Conditions	Temperature: -20°C~60°C (-4°F~140°F) Humidity: 10%~90% (No condensation)
Dimensions (HxWxD)	379mm x 346mm x 255mm (with base)
Weight (Net)	3.9kg (8.6 lbs.)
Certifications	UL, C-UL, FCC-B, CE

Display Modes

Resolution	Type	H.Scan (KHz)	V.Scan (Hz)	Polarity
720x350	VGA	31.469	70.087	+/-
720x400	VGA	31.469	70.087	-/+
640x480	VGA	31.469	59.940	-/-
640x480	MAC	35.000	66.700	-/-
640x480	VESA72	37.861	72.809	-/-
640x480	VESA75	37.500	75.000	-/-
800x600	SVGA	35.156	56.250	+/+
800x600	SVGA	37.879	60.317	+/+
800x600	VESA72	48.077	72.200	+/+
800x600	VESA75	46.875	75.000	+/+
832x624	MAC	49.720	74.600	-/-
1024x768	VESA	48.4	60	-/-
1024x768	VESA	56.5	70	+/+
1024x768	VESA	60	75	+/+

Troubleshooting

The SF150 does not respond after I turn on the system.

- Check if the Power Switch of the Display is turned on.
- Turn off the power and check the Display's power cord and signal cable for proper connection.

The characters on the screen are dim.

- Please refer to the Controls and Functions section to adjust the brightness or contrast.

The screen is blank.

- During operation, the Display screen may automatically turn off as a result of Power Saving feature. Press any key to see if the screen comes back.
- Refer to the Controls and Functions section to adjust the brightness or contrast.

The screen flashes when it's initialized.

- Turn off the Display and turn it on again.

The picture looks fuzzy.

- For best performance the LCD Display must be used in the native mode, 1024x768 format. Other formats are scaled using algorithms in the LCD Display or the computer's video card.

Access Sylvania Computer Products website to download the latest drivers*, get latest news, view new and upcoming products. You can even register your product online!

This monitor does not require any device driver to function.

* You may purchase a driver CD by calling (714) 751-8405 Extension 4024 for Parts Department.

** Your monitor may be installed as a plug and play device. Please consult your Windows User's Guide for details.

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